



BUILDING CODE COMPLIANCE OFFICE
METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
(305) 375-2901 FAX (305) 375-2908

CONTRACTOR LICENSING SECTION
(305) 375-2527 FAX (305) 375-2558

CONTRACTOR ENFORCEMENT DIVISION
(305) 375-2966 FAX (305) 375-2908

PRODUCT CONTROL DIVISION
(305) 375-2902 FAX (305) 372-6339

PRODUCT CONTROL NOTICE OF ACCEPTANCE

Crawford Glass Door Company, Inc.
3301 S.W. 13 Drive Suite B
Deerfield Beach , 33442-8108

Your application for Notice of Acceptance (NOA) of:

Series "Performance II " Aluminum Sliding Glass Door(oxxo)-Impact & Non Impact

under Chapter 8 of the Code of Miami-Dade County governing the use of Alternate Materials and Types of Construction, and completely described herein, has been recommended for acceptance by the Miami-Dade County Building Code Compliance Office (BCCO) under the conditions specified herein.

This NOA shall not be valid after the expiration date stated below. BCCO reserves the right to secure this product or material at any time from a jobsite or manufacturer's plant for quality control testing. If this product or material fails to perform in the approved manner, BCCO may revoke, modify, or suspend the use of such product or material immediately. BCCO reserves the right to revoke this approval, if it is determined by BCCO that this product or material fails to meet the requirements of the South Florida Building Code.

The expense of such testing will be incurred by the manufacturer.

ACCEPTANCE NO.: 00-0822.08
EXPIRES: 06/20/2006

Raul Rodriguez
Chief Product Control Division

THIS IS THE COVERSHEET, SEE ADDITIONAL PAGES FOR SPECIFIC AND GENERAL CONDITIONS BUILDING CODE & PRODUCT REVIEW COMMITTEE

This application for Product Approval has been reviewed by the BCCO and approved by the Building Code and Product Review Committee to be used in Miami-Dade County, Florida under the conditions set forth above.

Francisco J. Quintana, R.A.
Director
Miami-Dade County
Building Code Compliance Office

APPROVED: 06/20/2001

Crawford Glass Door Company

ACCEPTANCE No.: 00-0822.08

APPROVED : June 20, 2001

EXPIRES : June 20, 2004

NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS

1. SCOPE

- 1.1 This approves an aluminum sliding glass door, as described in Section 2 of this Notice of Acceptance, designed to comply with the South Florida Building Code (SFBC), 1994 Edition for Miami-Dade County, for the locations where the pressure requirements, as determined by SFBC Chapter 23, do not exceed the Design Pressure Rating values indicated in the approved drawings.

2. PRODUCT DESCRIPTION

- 2.1 The "Performance II" Series Aluminum Sliding Glass Door (OXXO)– Large / Small Missile Impact & Non-Impact Resistant and its components shall be constructed in strict compliance with the following documents: Drawing No 4411, titled "Performance II OXXO." Sheets 1 through 5 of 5 dated May 15, 2001, signed and sealed by William M. Meyers, P.E., bearing the Miami-Dade County Product Control approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Division. These documents shall hereinafter be referred to as the approved drawings.

3. LIMITATIONS

- 3.1 This approval applies to single unit applications only, as shown in approved drawings.
3.2 Head receptor is not allowed to be used in this installation.

4. INSTALLATION

- 4.1 The aluminum sliding glass door and its components shall be installed in strict compliance with the approved drawings.
4.2 Hurricane protection system (shutters): to determine whether the installation requires a hurricane protection system or not, see corresponding glazing details, in approved drawing, glazing as follows:
4.2.1 For 9/16" Saflex IIG laminated by Solutia (small missile impact): the installation of this unit up to 30 feet above the grade will require a hurricane protection, but for installation above 30 feet above the grade will not require a hurricane protection system.
4.2.2 For 9/16" Globe A merada laminated glass: the installation will not require a hurricane protection system.
4.2.3 For 9/16" HRG-2 laminated glass by Viracon: the installation will not require a hurricane protection system.
4.2.4 For 9/16" Sentry Glass Plus" laminated glass by Viracon: the installation will not require a hurricane protection system
4.2.5 For 1/4" Tempered glass, the installation will require a hurricane protection system

5. LABELING

- 5.1 Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved".

6. BUILDING PERMIT REQUIREMENTS

- 6.1 Application for building permit shall be accompanied by copies of the following:
6.1.1 This Notice of Acceptance
6.1.2 Duplicate copies of the approved drawings, as identified in Section 2 of this Notice of Acceptance, clearly marked to show the components selected for the proposed installation.
6.1.3 Any other documents required by the Building Official or the South Florida Building Code (SFBC) in order to properly evaluate the installation of this system.

Ishaq I. Chanda
Ishaq I. Chanda, P.E. Product Control Examiner
Product Control Division

Crawford Glass Door Company

ACCEPTANCE No.: 00-0822.08

APPROVED : June 20, 2001

EXPIRES : June 20, 2004

NOTICE OF ACCEPTANCE: STANDARD CONDITIONS

1. Renewal of this Acceptance (approval) shall be considered after a renewal application has been filed and the original submitted documentation, including test supporting data, engineering documents, are no older than eight (8) years.
2. Any and all approved products shall be permanently labeled with the manufacturer's name, city, state, and the following statement: "Miami-Dade County Product Control Approved", or as specifically stated in the specific conditions of this Acceptance.
3. Renewals of Acceptance will not be considered if:
 - a) There has been a change in the South Florida Building Code affecting the evaluation of this product and the product is not in compliance with the code changes;
 - b) The product is no longer the same product (identical) as the one originally approved;
 - c) If the Acceptance holder has not complied with all the requirements of this acceptance, including the correct installation of the product;
 - d) The engineer who originally prepared, signed and sealed the required documentation initially submitted is no longer practicing the engineering profession.
4. Any revision or change in the materials, use, and/or manufacture of the product or process shall automatically be cause for termination of this Acceptance, unless prior written approval has been requested (through the filing of a revision application with appropriate fee) and granted by this office.
5. Any of the following shall also be grounds for removal of this Acceptance:
 - a) Unsatisfactory performance of this product or process.
 - b) Misuse of this Acceptance as an endorsement of any product, for sales, advertising or any other purpose.
6. The Notice of Acceptance number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the Notice of Acceptance is displayed, then it shall be done in its entirety.
7. A copy of this Acceptance as well as approved drawings and other documents, where it applies, shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at all time. The engineer need not reseal the copies.
8. Failure to comply with any section of this Acceptance shall be cause for termination and removal of Acceptance.
9. This Notice of Acceptance consists of pages 1, 2 and this last page 3.

Ishaq I. Chanda
Ishaq I. Chanda, P. E. Product Control Examiner
Product Control Division

END OF THIS ACCEPTANCE

Crawford Glass Door Company

ACCEPTANCE No.: 00-0822.08

APPROVED : June 20, 2001

EXPIRES : June 20, 2004

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

(For file purposes, Not part of NOA)

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No **4411**, titled "Performance II OXXO." Sheets 1 through 5 of 5 dated May 15, 2001, signed and sealed by William M. Meyers, P.E.

B. TESTS

1. Test reports on 1) Air Infiltration Test, per PA 202-94
2) Uniform Static Air Pressure Test, Loading per PA 202-94
3) Water Resistance Test, per PA 202-94
4) Large Missile Impact Test per SFBC, PA 201-94
5) Small Missile Impact Test per SFBC, PA 201-94
6) Cyclic Wind Pressure Loading per SFBC, PA 203-94
7) Forced Entry Test, per SFBC 3603.2 (b) and PA 202-94
along with marked-up drawings and installation diagram of an aluminum sliding glass door, prepared by Hurricane Test Laboratory, Inc., Test Report No. **HTL -0073-0101-00 (Sp#1,4 & 5)** dated November 12-29-99 thru 02-07-00 and (Sp#2) dated 01-10-00, signed and sealed by Vinu Abraham, P.E.
2. Test reports on 1) Large Missile Impact Test per SFBC, PA 201-94
2) Cyclic Wind Pressure Loading per SFBC, PA 203-94
along with marked-up drawings and installation diagram of an aluminum sliding glass door, prepared by American Testing Lab of South Florida., Test Report No. **ATL -00011** dated 06-13-00, signed and sealed by William R. Mehner, P.E.
3. Additional Test reports on 1) Large Missile Impact Test per SFBC, PA 201-94
2) Cyclic Wind Pressure Loading per SFBC, PA 203-94
along with marked-up drawings and installation diagram of an aluminum sliding glass door, prepared by American Testing Lab of South Florida., Test Report No. **ATL -1210.01-00** dated 01-23-01, signed and sealed by William R. Mehner, P.E.

C. CALCULATIONS

1. Anchor verification, structural performance analysis dated 03-28-00, last revised on April 09, 2001 prepared by Robert E. Fisher & Wm M. Meyers, P.E., signed and sealed by Wm M. Meyers, P.E.

Ishaq I. Chanda
Ishaq I. Chanda, P. E., Product Control Examiner
Product Control Division
E - 1

Crawford Glass Door Company

ACCEPTANCE No.: 00-0822.08

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EXPIRES : June 20, 2004

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

(For file purposes, Not part of NOA)

D. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **98-0728.05** issued to Solutia Inc. for "Saflex IIIG PVB Polyvinyl butryal interlayer", expiring on 05/21/2001.
2. Notice of Acceptance No. **98-0513.03** issued to Globe amerda Glass Co. for "Glass Clad Polycarbonate", expiring on 09/03/2001.
3. Notice of Acceptance No. **00-0614.09** issued to Viracon Inc. for "HRG-2 Laminated Glass", expiring on 10-16-2003.
4. Notice of Acceptance No. **98-0608.03** issued to E. I. DuPont DeNemours. for "Sentry Glass Plus", expiring on 11-14-2002

E. STATEMENTS

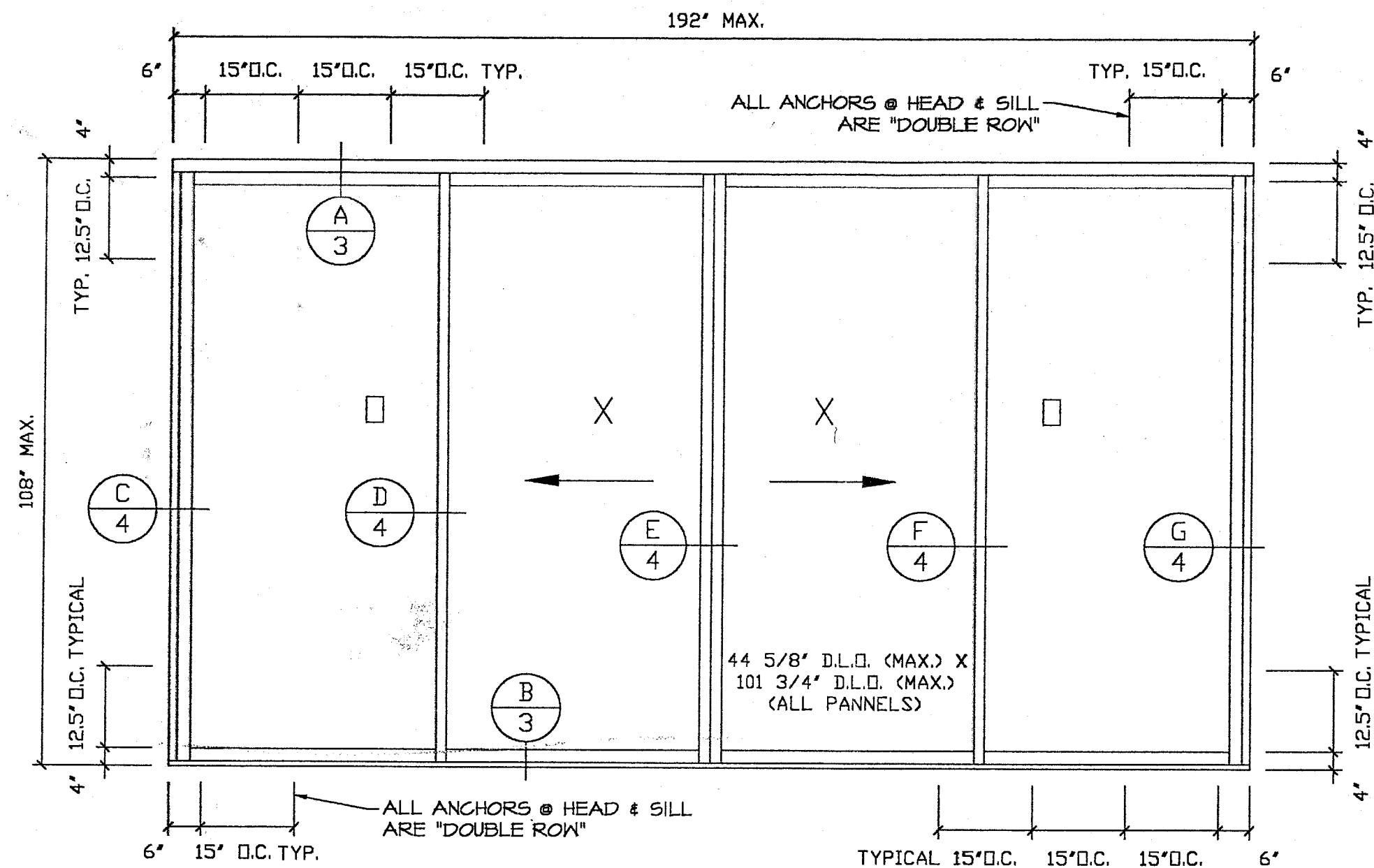
1. Statement letter of conformance, dated 03-28-2000, signed and sealed by Wm. M. Meyers, P. E.
2. Statement letter of no financial interest, dated 03-28-2000, signed by R. E. Fisher and Wm. M. Meyers, P. E.
3. Letter of compliance, dated 06-13-00 for Test Report No. **ATL -00011**, issued by American Testing Lab of South Florida, signed and sealed by William R. Mehner, P.E.
4. Letter of compliance, issued by Hurricane Testing laboratory Inc., for Test Report No. **HTL -0073-0101-00 (Sp#1,4 & 5)** dated November 12-29-99 thru 02-07-00 and (Sp#2) dated 01-10-00, signed and sealed by Vinu Abraham, P.E.
5. Letter of compliance, issued by American Testing Lab of South Florida., Test Report No. **ATL -1210.01-00** dated 01-23-01, signed and sealed by William R. Mehner, P.E.

E. OTHER

1. Glazing complies per SFBC table 35-E (00-file).

Ishaq I. Chanda

Ishaq I. Chanda, P. E., Product Control Examiner
Product Control Division



APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE JUNE 20, 2001
BY Ishay L. Chauda
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 00-0822-08

MANUFACTURER
CRAWFORD GLASS DOOR
COMPANY INCORPORATED

PRODUCT DESCRIPTION
PERFORMANCE II OXXO

ENGINEER

Wm. M. Meyers
FLA. 18755
STRUCTURAL

Date: 05/22/01

SCALE: 1/2" = 1'-0"

DATE: MAY 15, 2001

DWG NUMBER FOR SET
4410

PAGE 1 OF 5

NON-IMPACT-RESISTANT APPLICATIONS

NOTE: SHUTTER REQUIREMENTS:

- GLAZING TYPE "A": 1/4" TEMPERED GLASS
MIAMI DADE COUNTY APPROVED SHUTTERS
WILL BE REQUIRED FOR ALL INSTALLATIONS
- GLAZING TYPE "B": 9/16" LAMINATED GLASS
WITH SAFLEX IIIIG INTERLAYER BY SOLUTIA:
MIAMI DADE COUNTY APPROVED SHUTTERS
WILL BE REQUIRED FOR INSTALLATIONS
UP TO 30' ABOVE GRADE

IMPACT-RESISTANT APPLICATIONS

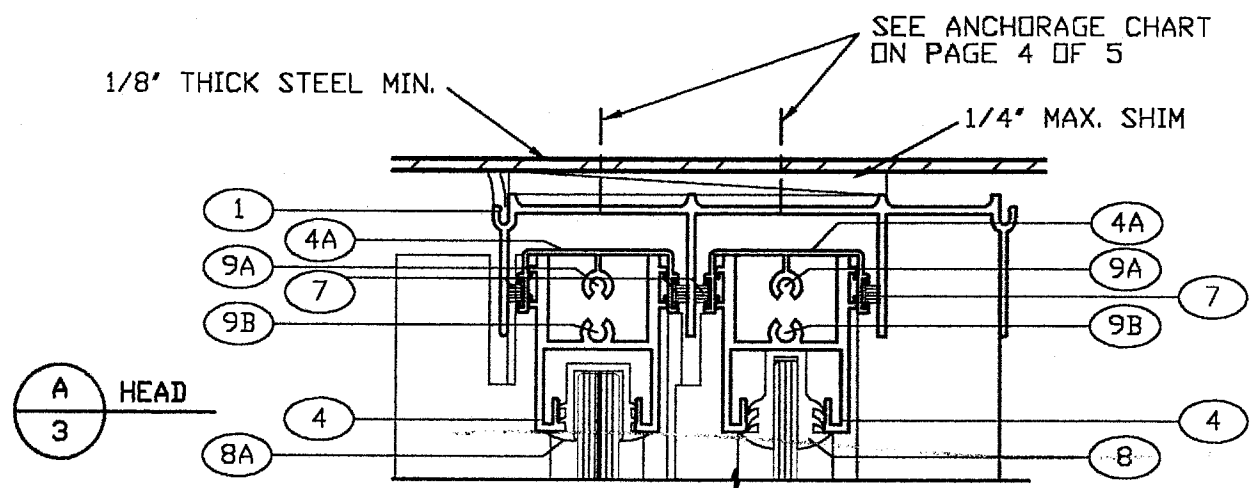
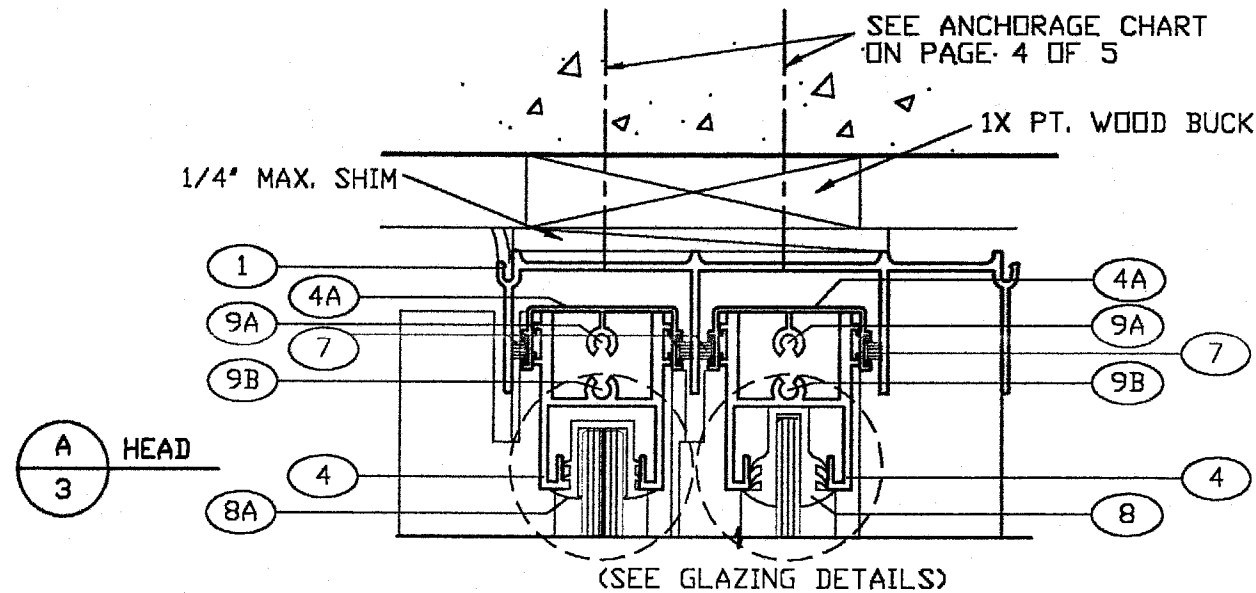
- GLAZING TYPE "B": 9/16" LAMINATED GLASS
WITH SAFLEX IIIIG INTERLAYER BY SOLUTIA:
FOR INSTALLATIONS ABOVE 30' ABOVE GRADE,
SHUTTERS ARE NOT REQUIRED
- GLAZING TYPE "C": 9/16" WIND PANE
LAMINATED GLASS BY GLOBE AMERADA,
SHUTTERS ARE NOT REQUIRED.
- GLAZING TYPE "D": 9/16" HRG-2
LAMINATED GLASS BY VIRACON,
SHUTTERS ARE NOT REQUIRED

ROBT. E. FISHER
WM. M. MEYERS, P.E.
Consulting Engineers
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(305) 758-3117 557-4006 Fax 362-6282

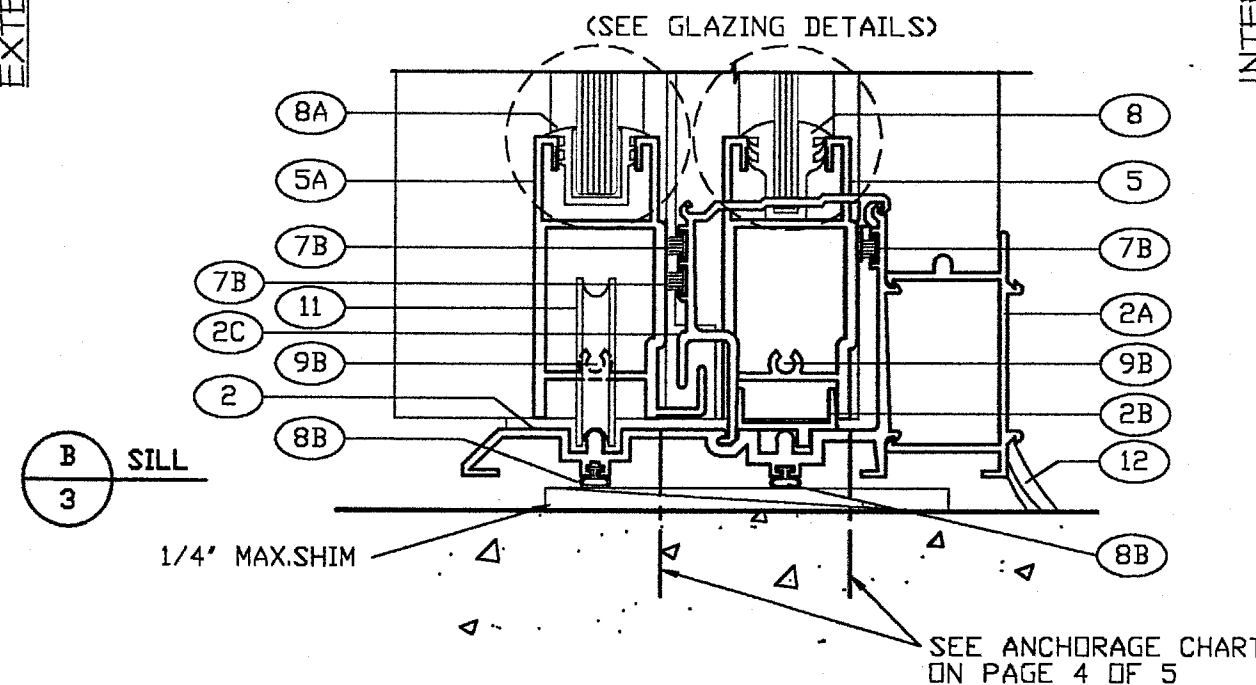
DESIGN PRESSURES

+44 PSF

-44 PSF

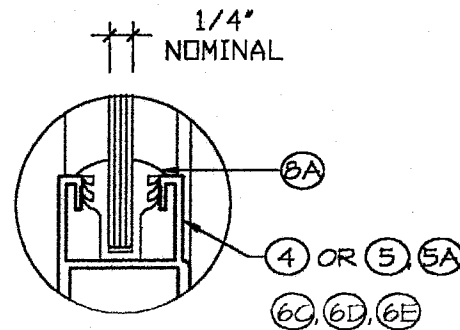


EXTERIOR



INTERIOR

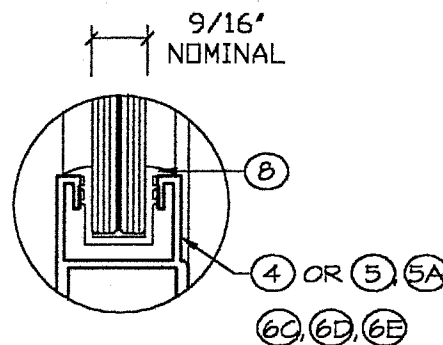
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11/16" GLASS BITE



GLAZING DETAILS

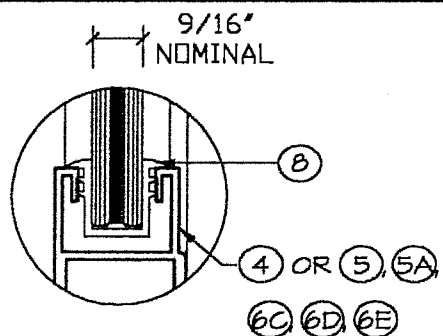
1/4" TEMPERED GLASS

TYPE "B"
11/16" GLASS BITE



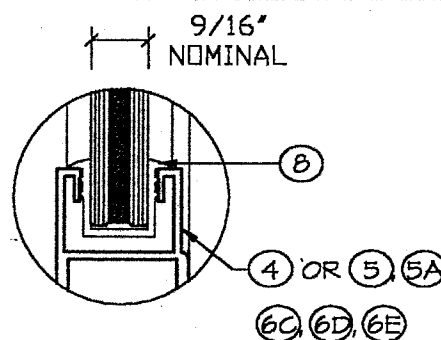
9/16" OVERALL LAMINATED GLASS
CONSISTING OF:
1/4" HEAT-STRENGTHENED (H.S.) GLASS
.060" SAFLEX BY Solutia
1/4" TEMPERED GLASS

TYPE "C"
11/16" GLASS BITE



9/16" OVERALL GLOBE AMERADA WIND PANE
CONSISTING OF:
3/16" HEAT-STRENGTHENED (H.S.) GLASS
.035" POLYURETHANE
.118" LEXAN POLYCARBONATE SHEET
.035" POLYURETHANE
3/16" HEAT-STRENGTHENED (H.S.) GLASS

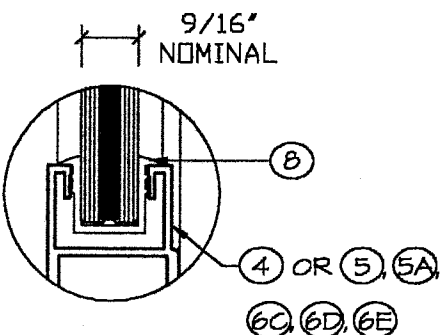
TYPE "D"
11/16" GLASS BITE



9/16" OVERALL "HRG2" LAMINATED GLASS
BY VIRACON CONSISTING OF:
3/16" HEAT-STRENGTHENED (H.S.) GLASS
.050" POLYURETHANE
.125" POLYCARBONATE SHEET
.050" POLYURETHANE
3/16" HEAT-STRENGTHENED (H.S.) GLASS

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Miami Shores, FL 33138
(305) 758-3117 557-4006 Fax 362-6282

TYPE "E"
11/16" GLASS BITE



9/16" OVERALL SENTRYGLAS PLUS LAMINATED
GLASS BY VIRACON CONSISTING OF:
1/4" HEAT-STRENGTHENED (H.S.) GLASS
.090" SENTRYGLAS PLUS INTERLAYER
1/4" HEAT-STRENGTHENED (H.S.) GLASS
MAXIMUM DESIGN PRESSURE +75, -75 PSF

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE JUNE 20, 2001
BY Shag1. Chaudh
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 00-0822-08

MANUFACTURER
GRANFORD GLASS DOOR
COMPANY INCORPORATED

PRODUCT DESCRIPTION
PERFORMANCE II OXXO

ENGINEER

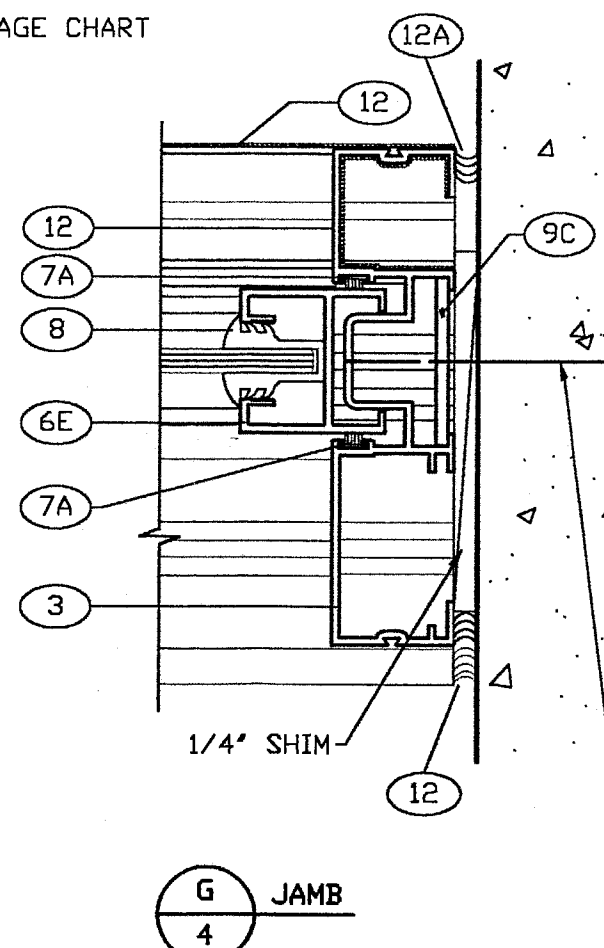
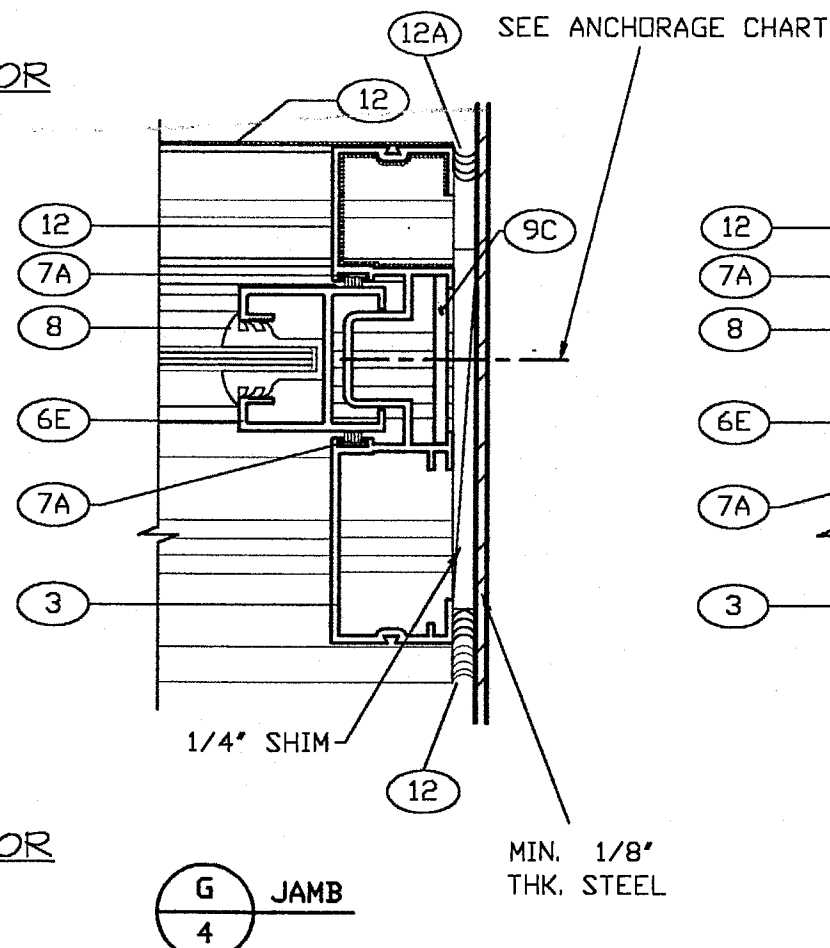
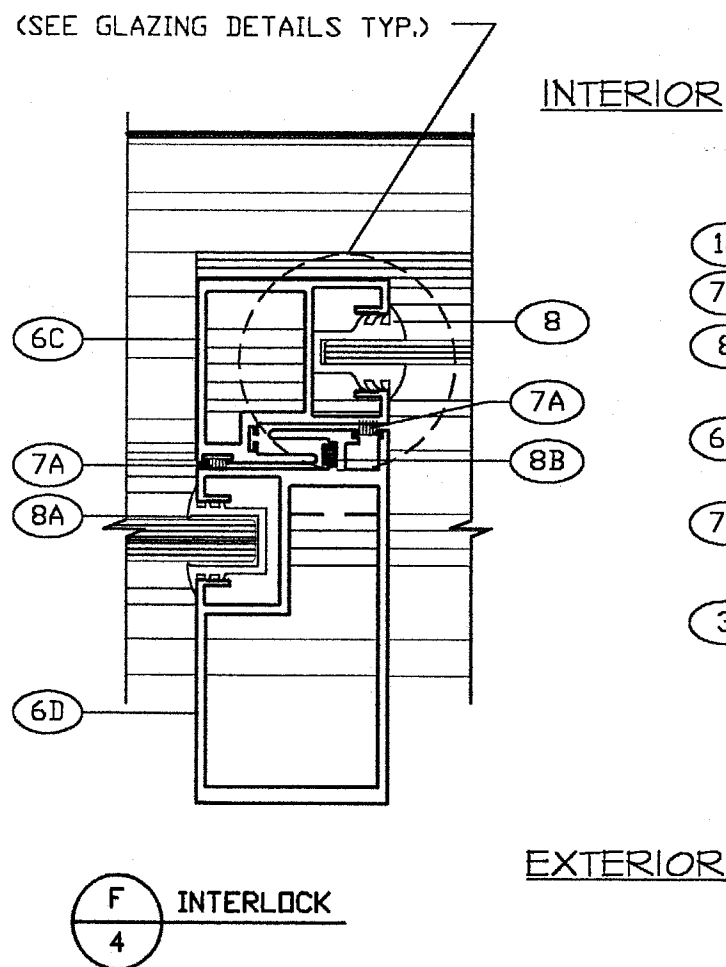
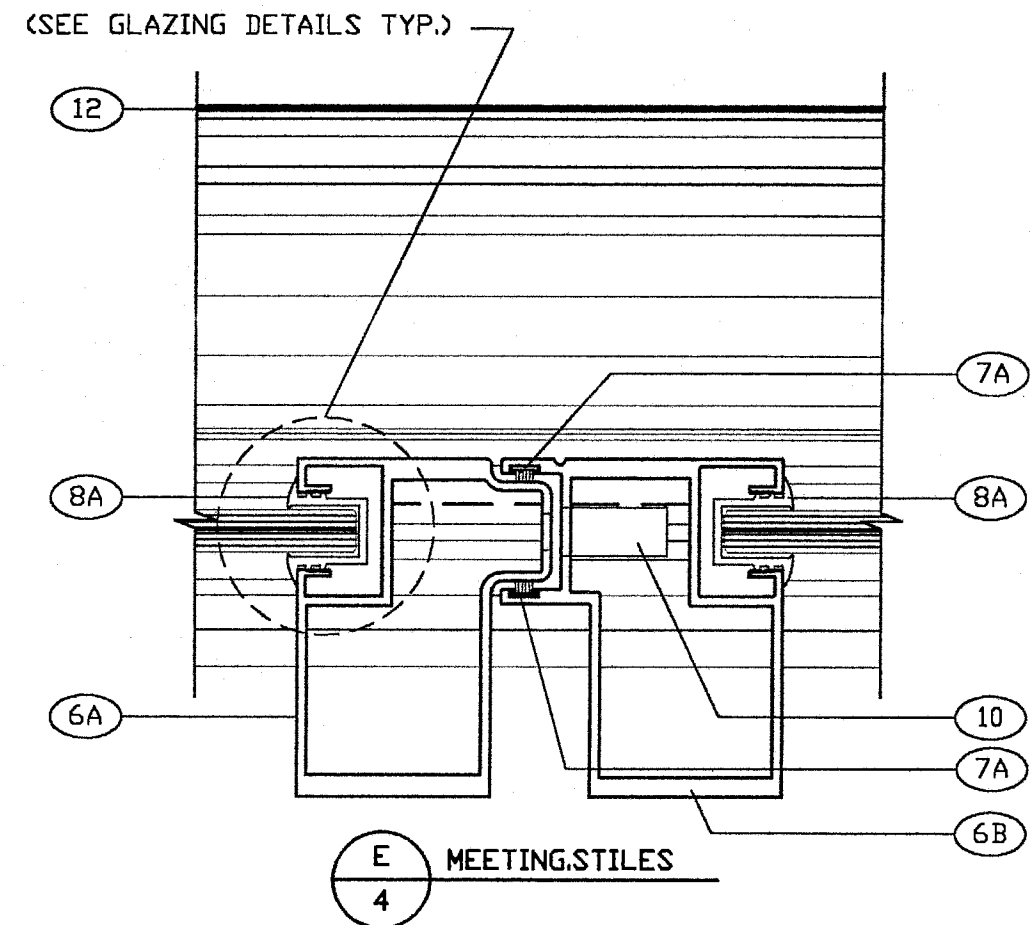
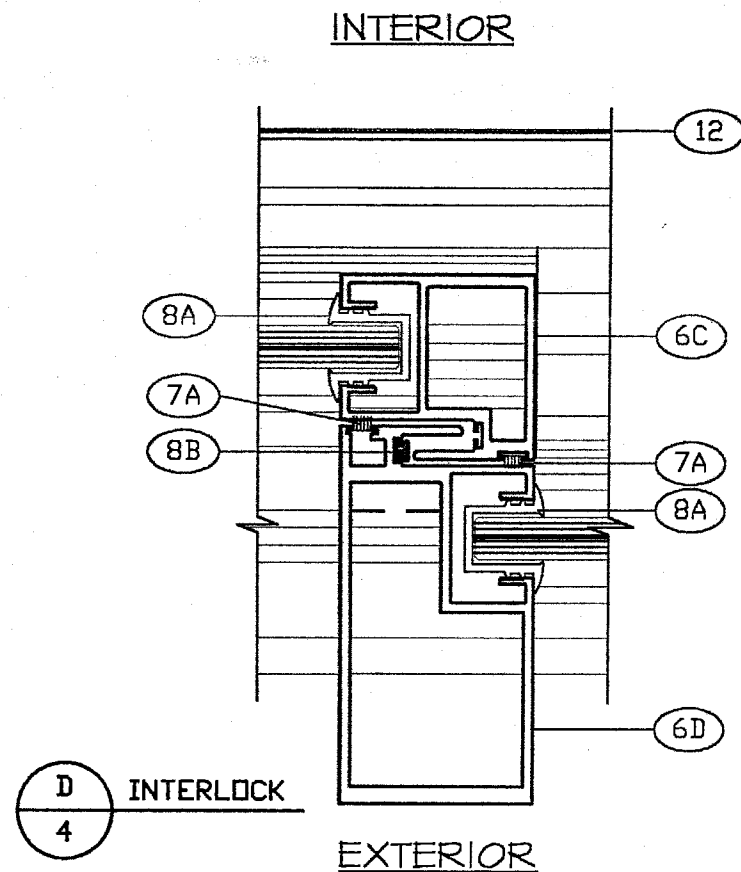
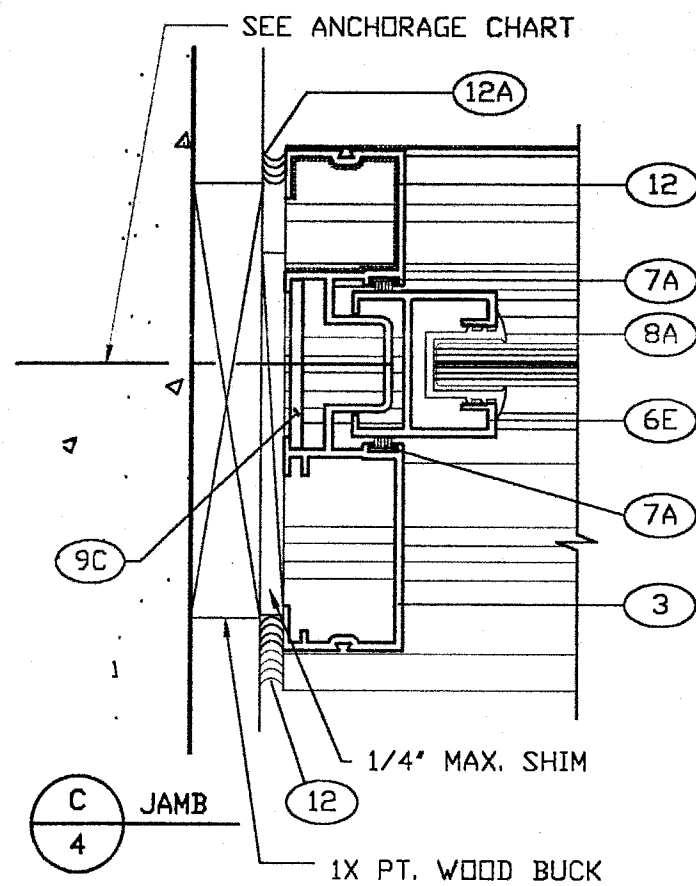
WM. M. MEYERS
FLA. 18755
STRUCTURAL
Date: 05/27/01

SCALE: 1/2" = 1'-0"

DATE: MAY 15, 2001

DWG NUMBER FOR SET
4410

PAGE 3 OF 5



ANCHORAGE
(SEE ELEVATIONS FOR LOCATION AND SPACING)

1/4" 304 - STAINLESS STEEL TAPPERS
BY RAWL/POWERS WITH
1 1/2" EMBEDMENT INTO CONCRETE OR
1 1/4" EMBEDMENT INTO C.M.U.

1/4" TAPCONS BY ELCO OR BUILDEX
1 1/2" EMBEDMENT INTO CONCRETE OR
1 1/4" EMBEDMENT INTO C.M.U.

1/4" TEK SCREWS, OR TYPE "F" SELF
THREADING MACHINE SCREWS GRADE 5 MIN.
INTO 1/8" THICK STEEL A-36 MINIMUM.

ROBT. E. FISHER
WM. M. MEYERS, P.E.
Consulting Engineers
9301 N.E. 6th Ave. C-300
Miami Shores, FL 33138
(305) 758-3117 557-4006 Fax 362-6282

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE JUNE 20, 2001
BY Ismael I. Llanusa
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 00-0822-08

MANUFACTURER
CRAWFORD GLASS DOOR
COMPANY INCORPORATED

PRODUCT DESCRIPTION
PERFORMANCE II OXO

ENGINEER

Wm M Meyers
FLA. 18755
STRUCTURAL
Date: 05/22/01

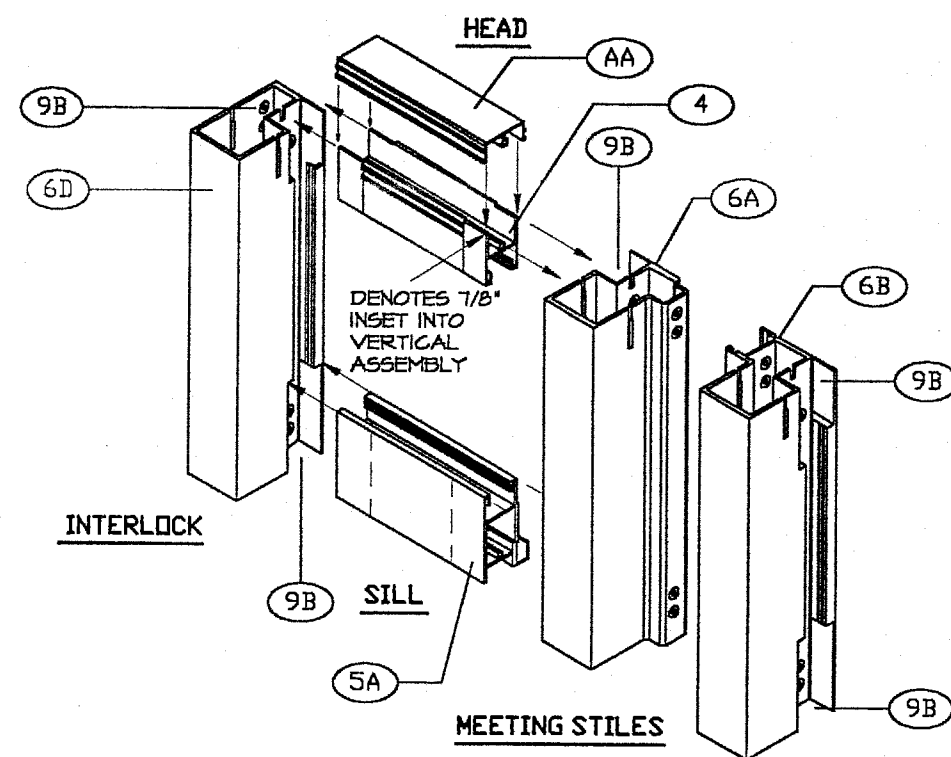
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DATE: MAY 15, 2001

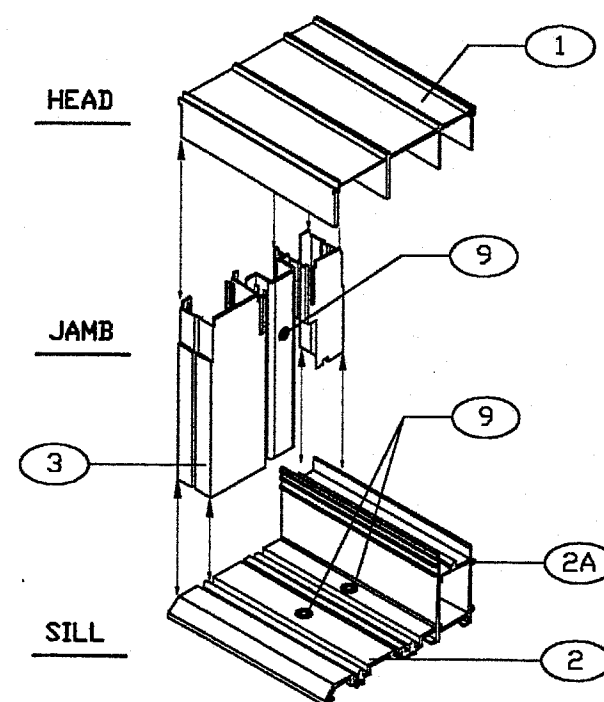
DWG NUMBER FOR SET
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PAGE 4 OF 5

DOOR PANEL ASSEMBLY



FRAME ASSEMBLY



MATERIALS LIST

1	#128 FRAME HEAD (6063-T6)	CGD2	△BASIC DEMINSION: 5.39" X 1.47"
2	#223 SILL TRACK (6063-T6)	CGD53	△BASIC DEMINSION: 4.51" X 2.86"
2A	#283 SCREEN TRACK (6063-T6)	CGD27	△BASIC DEMINSION: 1.37" X 2.57"
2B	#250 FIXED PANEL SEAT (6063-T6)	CGD54	△BASIC DEMINSION: 1.04" X 0.60"
2C	#253 FRAME THRESHOLD (6063-T6)	CGD40	△BASIC DEMINSION: 2.15" X 2.61"
3	#329 FRAME JAMB (6063-T6)	CGD9	△BASIC DEMINSION: 1.25" X 5.18"
4	#401 TOP RAIL (6063-T6)	CGD41	△BASIC DEMINSION: 1.30" X 1.84"
4A	#402 TOP RAIL CAP (6063-T6)	CGD13	△BASIC DEMINSION: 1.69" X 0.65"
5	#500 FIXED BOTTOM RAIL (6063-T6)	CGD42	△BASIC DEMINSION: 1.30" X 2.94"
5A	#501 OPERATING BOTTOM RAIL (6063-T6)	CGD43	△BASIC DEMINSION: 1.79" X 2.94"
6A	#613 MALE MEETING STILE (6063-T6)	CGD49	△BASIC DEMINSION: 2.63" X 3.50"
6B	#623 FEMALE MEETING STILE (6063-T6)	CGD50	△BASIC DEMINSION: 2.92" X 3.50"
6C	#631 INTERLOCK STILE (6063-T6)	CGD45	△BASIC DEMINSION: 2.00" X 1.91"
6D	#633 HI-LOAD INTERLOCK STILE (6063-T6)	CGD51	△BASIC DEMINSION: 2.00" X 3.91"
6E	#641 JAMB FIXED STILE (6063-T6)	CGD52	△BASIC DEMINSION: 1.50" X 1.50"
7	#43622-270 AMESBURY WINDO-FIN =		
7A	#43626-270 AMESBURY WINDO-FIN =		
7B	#43634-270 AMESBURY WINDO-FIN =		
8	NORTH GEORGIA EXTRUDERS #1092-EDPM-VINYL 1/4"		
8A	NORTH GEORGIA EXTRUDERS #1451-EDPM-VINYL .520"		
8B	WIBORG VINYL CO.#WVC3068-000IH65 VINYL		
9	SEE ANCHORAGE CHART ON PAGE 4 OF 5		
9A	#10 X 1/2" TRUSS HEAD PHILLIPS S.S. SHEET METAL SCREW 304 ALLOY		
9B	#12 X 1" TRUSS HEAD PHILLIPS S.S.SHEET METAL SCREW 304 ALLOY PANEL ASSEMBLY SCREW 1 PER CORNER. 7/8" DEEP TELESCOPE JOINT ALL PANEL CORNER CONNECTIONS.		
9C	1/8" X 1 3/4" CONTINUOUS ALUMINUM SHEAR PLATE		
10	ADAMS RITE # MS1847-09 DEADLOCK-STAINLESS STEEL INSTALLED IN LOCKSTILE WITH 2 #6-32 X 1/4" FLAT HEAD PHILLIPS STAINLESS STEEL SCREWS.		
11	REFLECTOLITE STAINLESS STEEL TANDEM ROLLER ASSEMBLY #TA39		
12	TREMCO #116 VULKEM SEALANT		
12A	TREMCO #116 VULKEM SEALANT FROM BOTTOM OF TRACK, & UP JAMB 6" HIGH		

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE JUNE 20, 2001
BY Shag I. Chandra
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 00-0820.08

MANUFACTURER
CRANFORD GLASS DOOR
COMPANY INCORPORATED

PRODUCT DESCRIPTION
PERFORMANCE II OXO

ENGINEER
ROBT. E. FISHER
WM. M. MEYERS, P.E.
Consulting Engineers
9301 N.E. 6th Ave. C-300
Miami Shores, FL 33138
(305) 758-3117 557-4006 Fax 382-6282
Robt E Fisher
FLA. 18758
STRUCTURAL
Date: 05/22/01

SCALE: 1/2" = 1'-0"

DATE: MAY 15, 2001

DWG NUMBER FOR SET
4410

PAGE 5 OF 5